

DUTY STATEMENT
PORTFOLIO MANAGER, QUANTITATIVE ANALYSIS
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Concept of Position:

Under the general direction of the Senior Portfolio Manager, Global Credit, the Portfolio Manager, Quantitative Analysis will:

- Manage, lead, review and have oversight of CalPERS internal quantitative analysis staff in the completion of quantitative projects, model development, financial engineering, and the development of various real time monitors and attribution models.
- Create a data platform for conducting quantitative analysis, developing and implementing model scenarios and periodic updates
- Deliver required analysis to Senior Portfolio Management Team in the following areas: quantitative projects on econometric analysis, relative valuation and cross asset investment opportunities, models of price and market behavior of the fixed income market related assets such as cash bonds, derivatives, structured and securitized products.
- Independently review and analyze new academic and industry researched quantitative investment strategies and determine their potential impact on adding alpha to the overall fixed income allocation.
- Represent CalPERS at Quantitative Investment forums and maintain appropriate contacts with professional peers in the investment and broker/dealer communities as a source of valuable investment information.

Typical Tasks:

The Portfolio Manager will:

- Be responsible for the management of several CalPERS internal quantitative analyst staff focused on the completion of quantitative projects, model development, financial engineering, and the development of various real time monitors and attribution models.
- Determine the right software, model and infrastructure needed to create a data platform of market prices, yields and other economic factors and variables acquired from external data providers which will be integral for conducting quantitative analysis, developing and implementing model scenarios and periodic updates
- Provide various types of quantitative analysis which may include quantitative projects on econometric analysis in order to assess the economic cycle relative to assets prices, relative valuation across various bond sectors (governments, corporate, mortgages, etc), and identifying factors that correlate with market behavior of the fixed income market related assets such as cash bonds, derivatives, structured and securitized products
- Represent CalPERS at Quantitative Investment forums, maintain appropriate contacts with professional peers in the academic, investment, dealer community and independently review and analyze new quantitative investment strategies and determine the ability to replicate those strategies for internal management in order to add alpha to the overall fixed income allocation.